INTERNATIONAL SEARCH REPORT

in ional Application No PCS 01/49721

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 D21H19/38 D21H23/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{D21H} & \mbox{C09C} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 861 209 A (HASKINS WILLIAM JOHN ET AL) 19 January 1999 (1999-01-19) cited in the application abstract; figure 1	1,7,13, 21-24
Y	EP 0 768 344 A (ECC INT LTD) 16 April 1997 (1997-04-16) page 5, line 10 - line 33	1,7,13, 21-24
Y	EP 0 950 646 A (ARMSTRONG WORLD IND INC) 20 October 1999 (1999-10-20) abstract; claims 1,4	1,7
Y	US 5 731 034 A (HUSBAND JOHN CLAUDE) 24 March 1998 (1998-03-24) abstract	1,7,13, 21-24

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.	
 Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 	 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family 	
Date of the actual completion of the international search 17 April 2002	Date of mailing of the international search report 29/04/2002	
Name and mailing address of the ISA	Authorized officer	
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Naeslund, P	

INTERNATIONAL SEARCH REPORT

In ional Application No
/US 01/49721

C.(Continue	DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.	
Α	EP 1 136 617 A (VOITH PAPER PATENT GMBH) 26 September 2001 (2001-09-26)		
		·	
	BEST AVAILABL	E CUr '	

INTERNATIONAL SEARCH REPORT

on on patent family members

tional Application No
PS 01/49721

Patent document cited in search report US 5861209 A 19-01-1999	BR CN EP HU JP	Patent family member(s) 7376198 A 9809824 A 1260016 T 0981667 A1 0002757 A2	Publication date 08-12-1998 20-06-2000 12-07-2000 01-03-2000
US 5861209 A 19-01-1999	BR CN EP HU JP	9809824 A 1260016 T 0981667 A1	20-06-2000 12-07-2000
03 3001203 N 13 G1 1333	BR CN EP HU JP	9809824 A 1260016 T 0981667 A1	20-06-2000 12-07-2000
	CN EP HU JP	1260016 T 0981667 A1	12-07-2000
	EP HU JP	0981667 A1	
	HU JP		
	JP		28-12-2000
		2001525894 T	11-12-2001
	NO	995603 A	15-11-1999
	PL	336992 A1	31-07-2000
	SK	154599 A3	12-06-2000
	WO	9851860 A1	19-11-1998
	ZA	9803952 A	16-11-1998
EP 0768344 A 16-04-1997		720426 B2	01-06-2000
	AU	6806996 A	17-04-1997
	BR	9605054 A	30-06-1998
	CA	2187471 A1	11-04-1997
	EP	0768344 A2	16-04-1997
	JP	9202617 A	05-08-1997
	NO	964281 A	11-04-1997
	US	5833747 A	10-11-1998
EP 0950646 A 20-10-1999	us us	6077593 A	20-06-2000
	EP	0950646 A1	20-10-1999
	GB	2336329 A	20-10-1999
US 5731034 A 24-03-1998	 3 GB	2251254 A	01-07-1992
US 5731034 A 24-03-1998	AT	157415 T	15-09-1997
	AU	654514 B2	10-11-1994
	AU	8939991 A	08-07-1992
	BR	9107142 A	03-11-1993
	CA	2088515 A1	05-06-1992
	DE	69127458 D1	02-10-1997
	DE	69127458 T2	02-01-1998
	DK	560813 T3	06-04-1998
	EP	0560813 A1	22-09-1993
	ES.	2104735 T3	16-10-1997
	FI	932475 A	31-05-1993
	WO	9210609 A1	25-06-1992
	JP	2919970 B2	19-07-1999
	JP	6503127 T	07-04-1994
	NO	300021 B1	17-03-1997
		OCCUPI DI	1. 00 1.5.
EP 1136617 A 26-09-2001		6355138 B1	12-03-2002

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